IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		Concurrently Herewith SEMICONDUCTOR DEV	Group Art Unit: Examiner: ICE INCORPORATING A DEFECT ED CHANNEL STRUCTURE AND METHOD OF
		INFORMATION DIS	CLOSURE STATEMENT (IDS)
	ssioner Fo	or Patents 22313	
SIR:			
States P for subr patent a	n attache Patent and nitting a applicatio	d Form PTO/SB/08 and/or subset Trademark Office. Pursuant to the copy of each cited U.S. patent and ns filed after June 30, 2003 and f	In compliance with 37 C.F.R. §§1.97 and 1.98, the reference quently identified herein, are for consideration by the Unite the Office waiving the requirement under 37 CFR 1.98 (a)(2)(a) each U.S. patent application publication for all U.S. national or all international applications that have entered the national es of the reference are not submitted herewith.
I.	COPIES a.⊠	A legible copy of (i) each U.S. a caused it to be listed; and (iii) all	nd foreign patents; (ii) each publication or that portion whic other information or that portion which caused it to be listed
	b.	enclosed herewith were previous	er information which are listed on PTO/SB/08 which are no sly cited by or submitted to the PTO in one of the followin d upon for an earlier filing date under 35 U.S.C. §120:
		U.S. Serial Number	U.S. Filing Date
ш.	CONCI a. ⊠ b. □ c. □	Except as may be indicated below information are in the English lan A concise explanation of the rel that is not in the English language	LEVANCE (check at least one box) w in (b) of this section, all of the patents, publications or other aguage (concise explanation not required). evance of all patents, publications or other information liste e is as follows: ttion is provided for the Examiner's consideration:
be related to the present application.		aminer is advised that the following to the present application. By	PPLICATION(S) g co-pending application(s) contain(s) subject matter that ma bringing this (these) applications to the Examiner's attention dentiality provisions of 35 U.S.C. §122.
	Serial N	Io. Filing	Date Art Unit
			FEES
IV. 🛛	THIS II a.⊠		C.F.R. §1.97(b): (check one box) ing date of a national application other than a continue 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement i
	b. <u>□</u> c.□	within three months of the date international application (37 C.F.	of entry of the national stage as set forth in § 1.491 in a R. §1.97(b)(2)). No fee or statement is required. Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fe
	d.□	or statement is required. before the mailing date of a fir	est Office Action after the filing of a request for continued. F.R. § 1.97(b)(4)). No fee or statement is required.

V. [_]	before t	he mailir 7 C.F.R.)). No state	g date of any of a Final O §1.311, or an action that of	.F.R. §1.97(c): (check one box) ffice Action under 37 C.F.R. §1.113, a Notice of Allowance herwise closes prosecution in the application (See 37 C.F.R. posit account 502117 the fee set forth in 37 C.F.R. §1.17(p) required.
VI. 🗆		efore pays	ent under 37 C.F.R. §1.97	accompanied by the following:
VII.		lersigned each ite Patent (of IDS; no item Patent (stateme: known if filing of some of foreign informa a counte to the r informa a counte making	hereby states that m of information contained office in a counterpart fore or of information contained office in a counterpart fore nt after making reasonable to any individual designate of this statement, or the items of information of the items of information of the items of information in the items of information in the items of information, the tion contained in the IDS were part foreign application of the items of information, the item contained in the IDS were part foreign application of the items of information, the item contained in the IDS were part foreign application of the items of information of the items of	check only one box, if applicable) d in the IDS was cited in a communication from a foreign gn application not more than three months prior to the filing in the IDS was cited in a communication from a foreign application, and to knowledge of the person signing the inquiry, no item of information contained in the IDS was d in 37 C.F.R. 1.56(c) more than three months prior to the contained in the IDS were cited in a communication from a is information, the undersigned states that each item of was cited in a communication from a foreign Patent Office in out more than three months prior to the filing of this IDS. As undersigned hereby states that no item of this remaining was cited in a communication from a foreign Patent Office in r, to the knowledge of the person signing the statement after m of information contained in the IDS was known to any 1.56(c) more than three months prior to the filing of this
VIII.	PAYMI	Please of fee(s). If Appli Commis	in the amount of	_ is enclosed for the above-identified fee(s). 2117 in the amount of \$180.00 for the above-indicated ditional fees, or if any overpayment has been made, the to credit or debit Deposit Account 502117. ned for Deposit Account charges and debits.
	te statuto	ry prior	art or contain matter which	n the interests of candor and without any admission that they in anticipates the invention or which would render the same in of ordinary skill in the art.
under th	etermine ne prope	d that thi	is IDS has been filed unde	ng this IDS, he/she is requested to contact the undersigned to the wrong rule, the PTO is requested to consider this IDS and charge the appropriate fee to Deposit Account No. Respectfully submitted,
MOTOF Custome Enclosur	r Numbe	NC. er 23125 ⊠ □	PTO/SB/08 References Foreign Search Report	John M. Grant et al. Michael J. Balconi-Lamica Attorney for Applicant(s) Reg. No. 34,291 Tel. 512.996.6839
		Ħ	Other:	

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Substitute for form 1449A/PTO		Complete if Known			
		Application Number			
INFORMATION DISCLOSI	JRE	Filing Date	Concurrently Herewith		
STATEMENT BY APPLICA	ΔΝΤ	First Named Inventor	John M. Grant		
OTATEMENT BY AT EIG		Group Art Unit			
(use as many sheets as necessary)		Examiner Name			
Sheet of		Attorney Docket Number	SC12480TP		

Examiner	Cite No. 1	Document Number	U. S. PATENT DOCU Publication Date		Donne Columna Linea Milesa Delevisati
Initials*	Cite No.	Number -Kind Code ² (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A28	EP 0 391 081 A2	03/07/1990	Sun		
	A29	WO 03/001671 A2	01/030/2003	Leitz et al.		
	A30	WO 03/015142 A2	02/20/2003	Lee et al.		· - ···

NON PATENT LITERATURE DOCUMENTS				
Examiner	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	T2	
Initials*		magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or		
	_	country where published.	<u> </u>	
	A31	Langdo et al., "High Quality Ge on Si by Epitaxial Necking," Applied Physics Letters, June 19, 2000, Vol. 76, No. 25, pp. 3700-3702.		

Examiner	Date	
Signature	 Considered	

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